



DARPA Tech '99

ATO

Advanced Technology Office

Dr. Tom Meyer
Director, ATO

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ATO

Focus Areas

- Communications
- Maritime
- Early Entry / Special Operations



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People

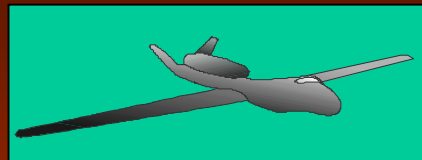
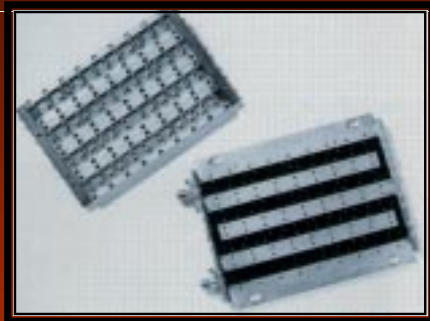
<u>Name</u>	<u>Phone</u>	<u>Name</u>	<u>Phone</u>
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William Jeffrey	703-696-2315	Art Morrish	703-696-7502
Tom Altshuler	703-696-0222	Frank Patten	703-696-2285
John Blicht	703-696-4464	John Polcari	703-696-2313
Ed Carapezza	703-696-2317	Gladys Reichlen	703-248-1516
Regina Dugan	703-696-2296	Rick Ridgley	703-248-1517
Theo Kooij	703-696-2333	Rob Ruth	703-696-2260
Mark McHenry	703-696-7495	Norm Whitaker	703-696-7501
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Communications

HTS Filters, LNA

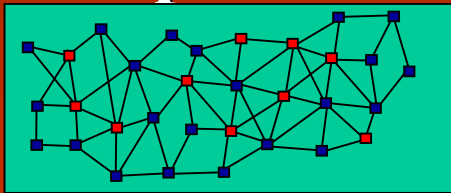


**Network/Comms
Node**



**Innovative
Antennas**

Complex Nets



Sub Comms



+ S/W Radios

**+ Advanced
Waveforms**



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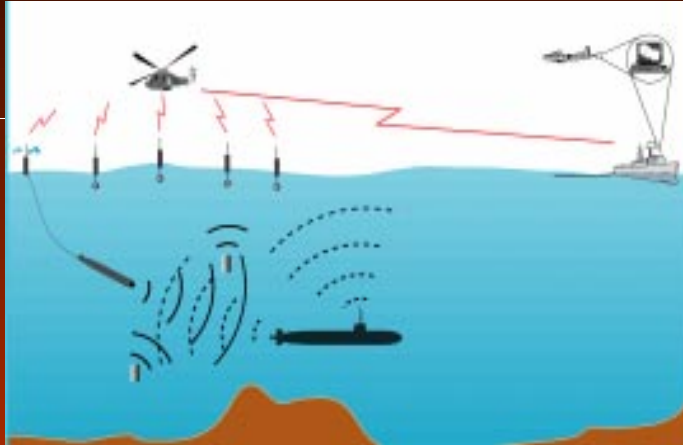
Comms Challenges

- Agile spectrum management
- Assured access
- Autonomous, self-organizing wireless networks
- Robust to stressing environment and loss of components
- Multi-level secure



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Maritime



Netted Acquisition and Targeting

New Missions



Advanced Platforms



Antimine



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Maritime Challenges

- Evolving roles and missions
- Fast transport (end-to-end)
- Optimal platform design
- Underwater power sources
- Wide area subsurface mapping



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Early Entry / Special Ops



Weapons



Robotics



UGS



UXO

- + Self-Healing Mine Fields
- + Warfighter Visualization



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Challenges

- Rapidly deployable, lethal, and survivable with global reach
- Situational awareness at the lowest echelons
- Enhanced unmanned capability



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Opportunity

- New Office / New Focus
- Looking for *great* ideas
- Looking for *great* people
- Look to web page for details on upcoming BAAs